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MSZ Kellermayer, SB Smith, HL Granzier, C ... - Science, 1997 - sciencemag.org ... Use of a coaxial dual-beam optical trap permitted high ... was trapped in force-measuring laser tweezers (11) (Fig ... and determine their length, we segregated the data ... Cited by 452 - Related Articles - Web Search - BL Direct

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MP MacDonald, GC Spalding, K Dholakia - Nature, 2003 - palgrave-journals.com ... For weakly **segregated** species, the analyte can be ... a single-beam gradient force **optical trap** for dielectric ... colloidal transport in an array of **optical tweezers**. ... Cited by 130 - Related Articles - Web Search - BL Direct

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# Role of curvature and phase transition in lipid sorting and fission of membrane tubules - all 5 versions »

A Roux, D Cuvelier, P Nassoy, J Prost, P Bassereau ... - The EMBO Journal, 2005 - nature.com ... The vesicle is **segregated** after 5 s of constant ... was achieved by combining an **optical tweezers** setup with ... 200; Zeiss), to construct a single-beam **optical trap**. ... Cited by 46 - Related Articles - Web Search

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X Wei, BJ Tromberg, MD Cahalan - Proceedings of the National Academy of Sciences, 1999 - National Acad Sciences

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MN Liang, SP Smith, SJ Metallo, IS Choi, M  $\dots$  - Proceedings of the National Academy of Sciences, 2000 - National Acad Sciences

... the mixed monolayers do not phase-**segregate** into macroscopic ... The focal region of the **optical trap** again was placed ... of the bacterium, and the **tweezers** were used ... Cited by 22 - Related Articles - Web Search - BL Direct

# Light Streak Tracking of Optically Trapped Thin Microdisks - all 4 versions »

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A ASHKIN, JM DZIEDZIC, JE BJORKHOLM, S CHU - Optics Letters, 1986 - OSA

A Ashkin J Dziedzic S Chu

... Letters Vol. 30 Iss. 2, (2005) Hollow spheres as individual movable micromirrors in optical tweezers Optics Express Vol. 13 lss. 3 ...

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J BJORKHOLM

Optical trapping - all 9 versions »

A Aspect

KC Neuman - Review of Scientific Instruments, 2004 - pubmedcentral.nih.gov ... A movable optical trap is typically used with either an imaging position detector, or a second low-power laser for laser-based detection (described above). ... Cited by 152 - Related Articles - Web Search - BL Direct

<u>Design for fully steerable dual-trap optical tweezers</u> - <u>all 10 versions »</u> E Fällman, O Axner - Appl. Opt, 1997 - OSA

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these requirements is given exemplified with an inverted microscope . ...

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A Ashkin - 1997 - National Acad Sciences

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#### History of optical trapping and manipulation of small-neutralparticle, atoms, and molecules - all 4 versions »

A Ashkin - Selected Topics in Quantum Electronics, IEEE Journal of, 2000 - ieeexplore.ieee.org

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one can com- bine ... negative of the velocity to give strong optical damping ...

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#### High-speed holographic optical tweezers using a ferroelectric liquid crystal microdisplay - all 9 versions »

W Hossack, E Theofanidou, J Crain, K Heggarty, M ... - Optics Express, 2003 - opticsinfobase.org

... which generates the two movable traps. The optical trapping results are

shown in Fig. 5 and its associated linked movie. Fig. ...

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## Single-beam atom trap in a pyramidal and conical hollow mirror - all 7 versions »

KI Lee, JA Kim, HR Noh, W Jhe - Optics Letters, 1996 - OSA ... 9592/96/151177-03\$10.00/0 © 1996 **Optical** Society of ... modulated at 2.91 GHz, is used

to trap 85 Rb ... a glass-cell vacuum chamber, and a movable anti-Helmholtz ...

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# Laser Cooling below the One-Photon Recoil Energy by Velocity-Selective Coherent Population

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A Aspect, E Arimondo, R Kaiser, N Vansteenkiste, C ... - Physical Review Letters, 1988 - APS ... state I IVNA(P)) is not a trapping state, because ... beam and by using very high quality

optical components for ... S2 is the entrance slit of a movable He\* detector. ...

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#### Nanofabrication with holographic optical tweezers - all 7 versions »

P Korda... - Review of Scientific Instruments, 2002 - griergroup.uchicago.edu

... OP \* imaging illumination imaging optics movable knife edge Dichroic L1 L2 DOE objective B OP optical trap(s) input beam B \* FIG. ...

Cited by 25 - Related Articles - View as HTML - Web Search - BL Direct

### Construction of multiple-beam optical traps withnanometer-resolution position sensing - all 5 versions »

K Visscher, SP Gross, SM Block - Selected Topics in Quantum Electronics, IEEE Journal of, 1996 ieeexplore.ieee.org

... through a second 1:1 telescope, again equipped with a movable first lens. ... of the

objective; this insures that lens movements scan the optical trap with minimal ...

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